

*Fig. 1*

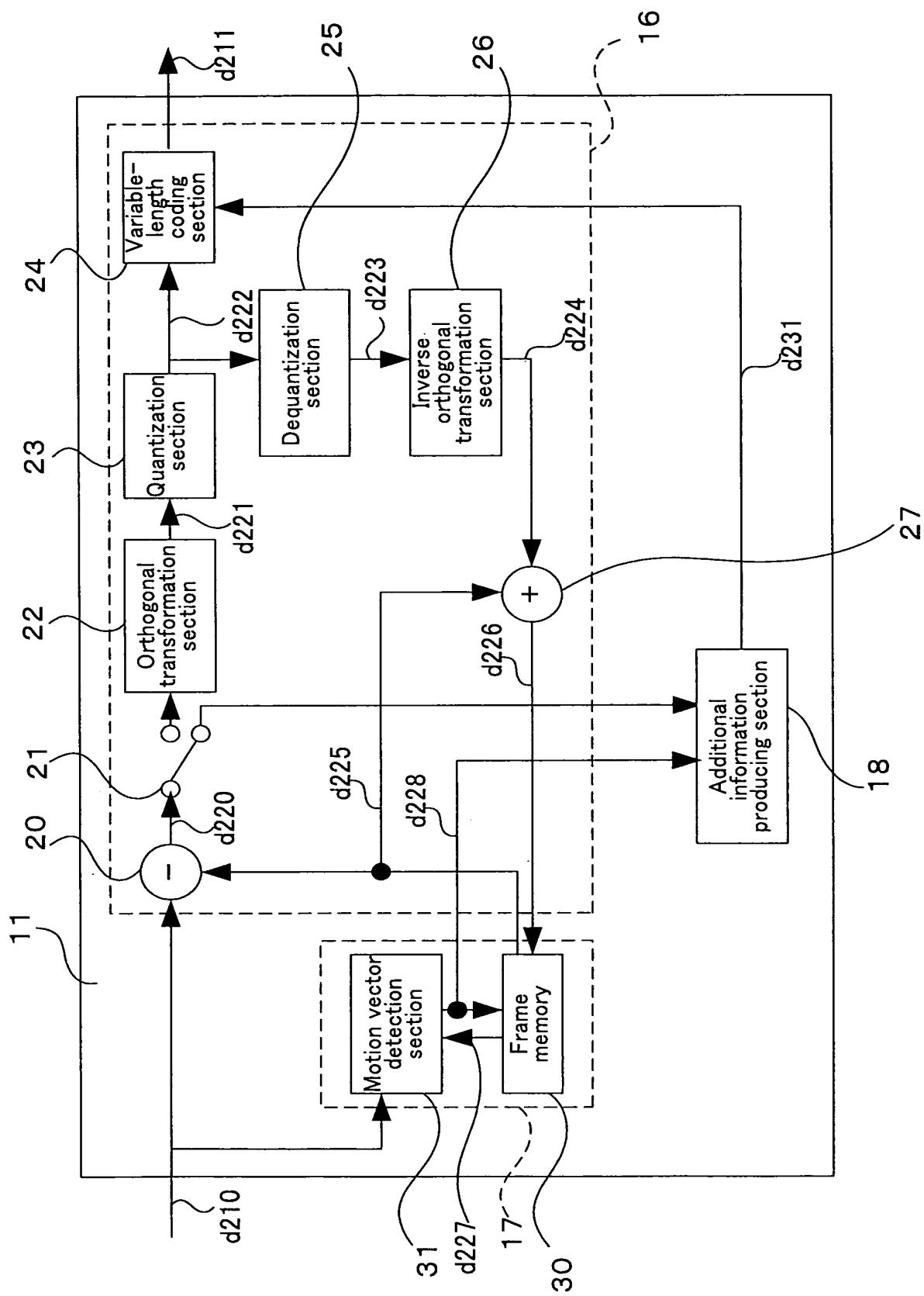
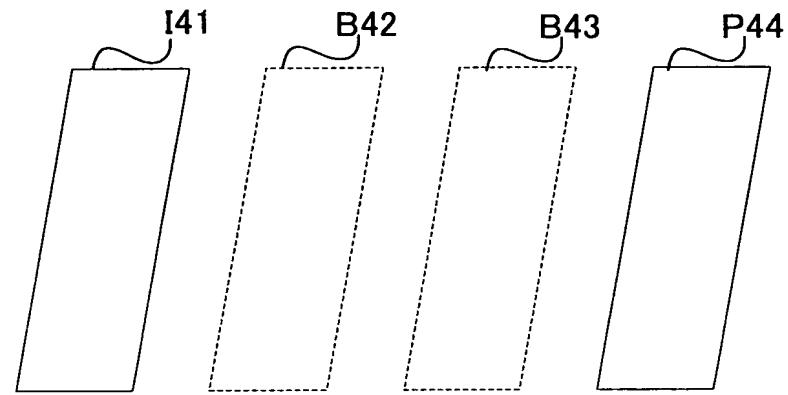
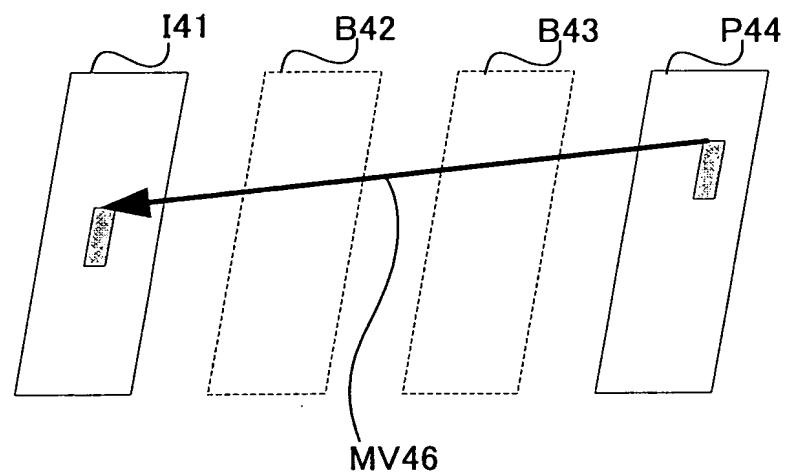


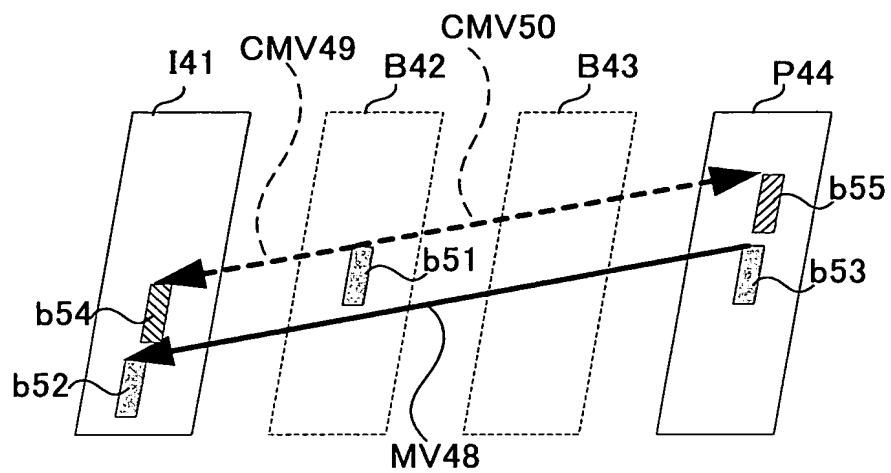
Fig.2



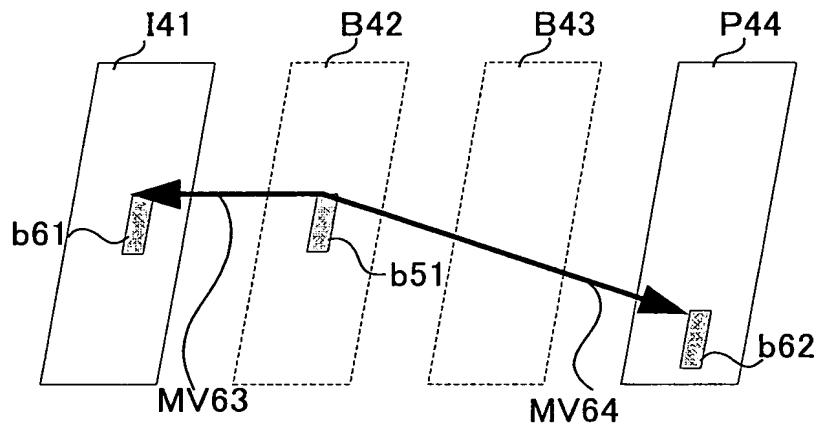
*Fig. 3A*



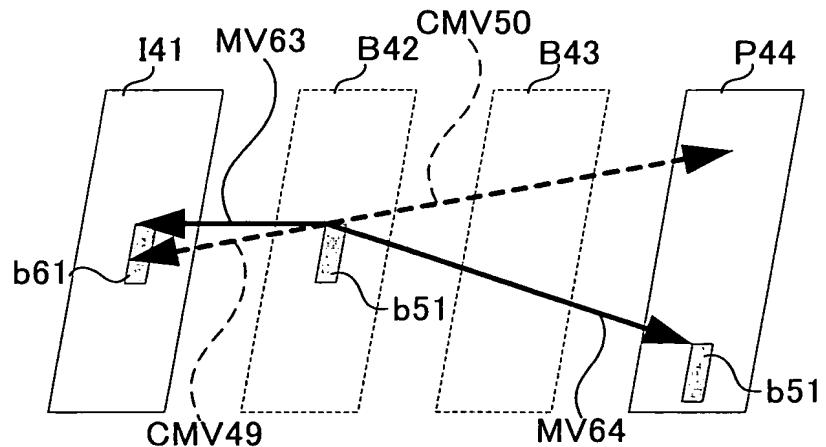
*Fig. 3B*



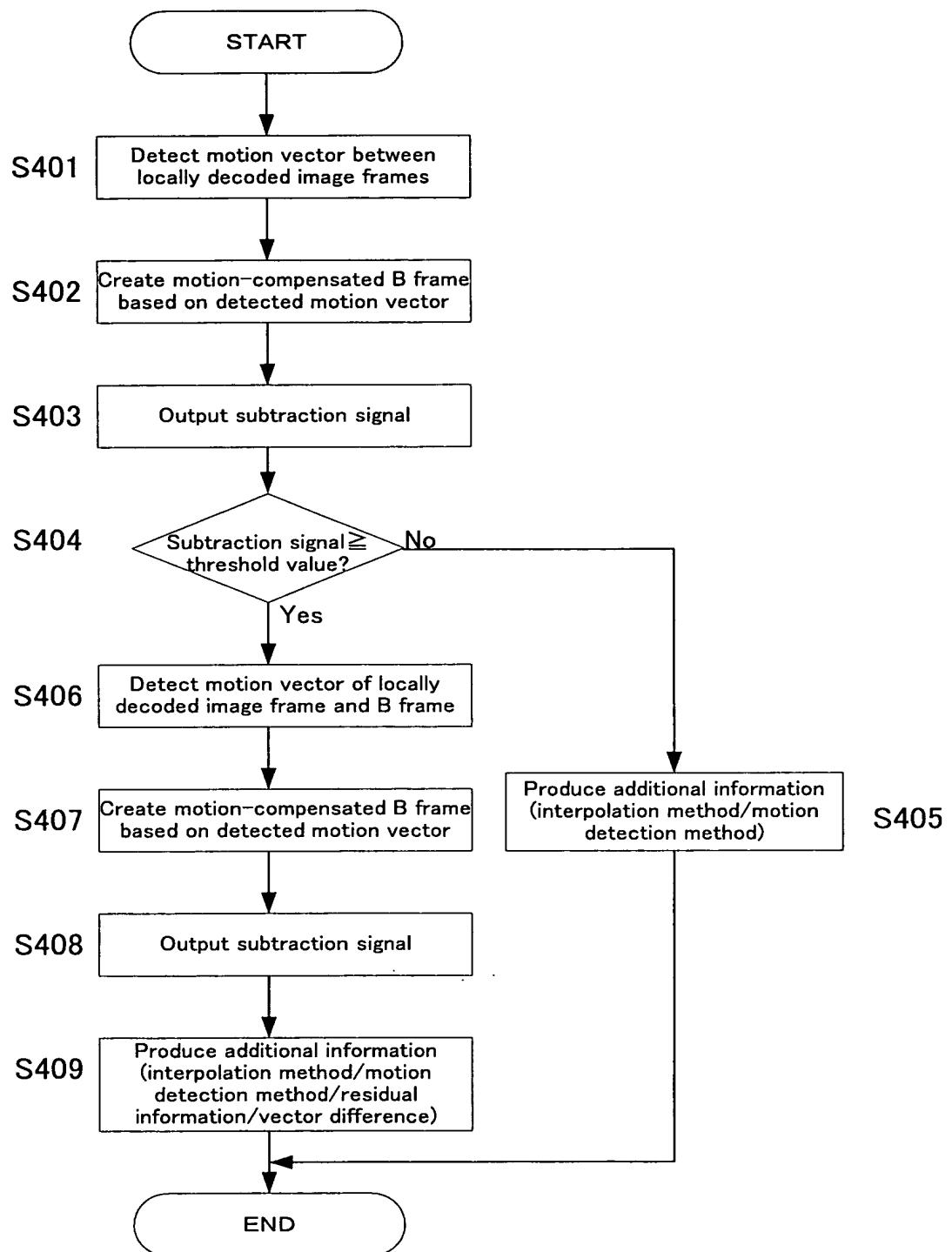
*Fig. 4A*



*Fig. 4B*



*Fig. 4C*



*Fig.5*

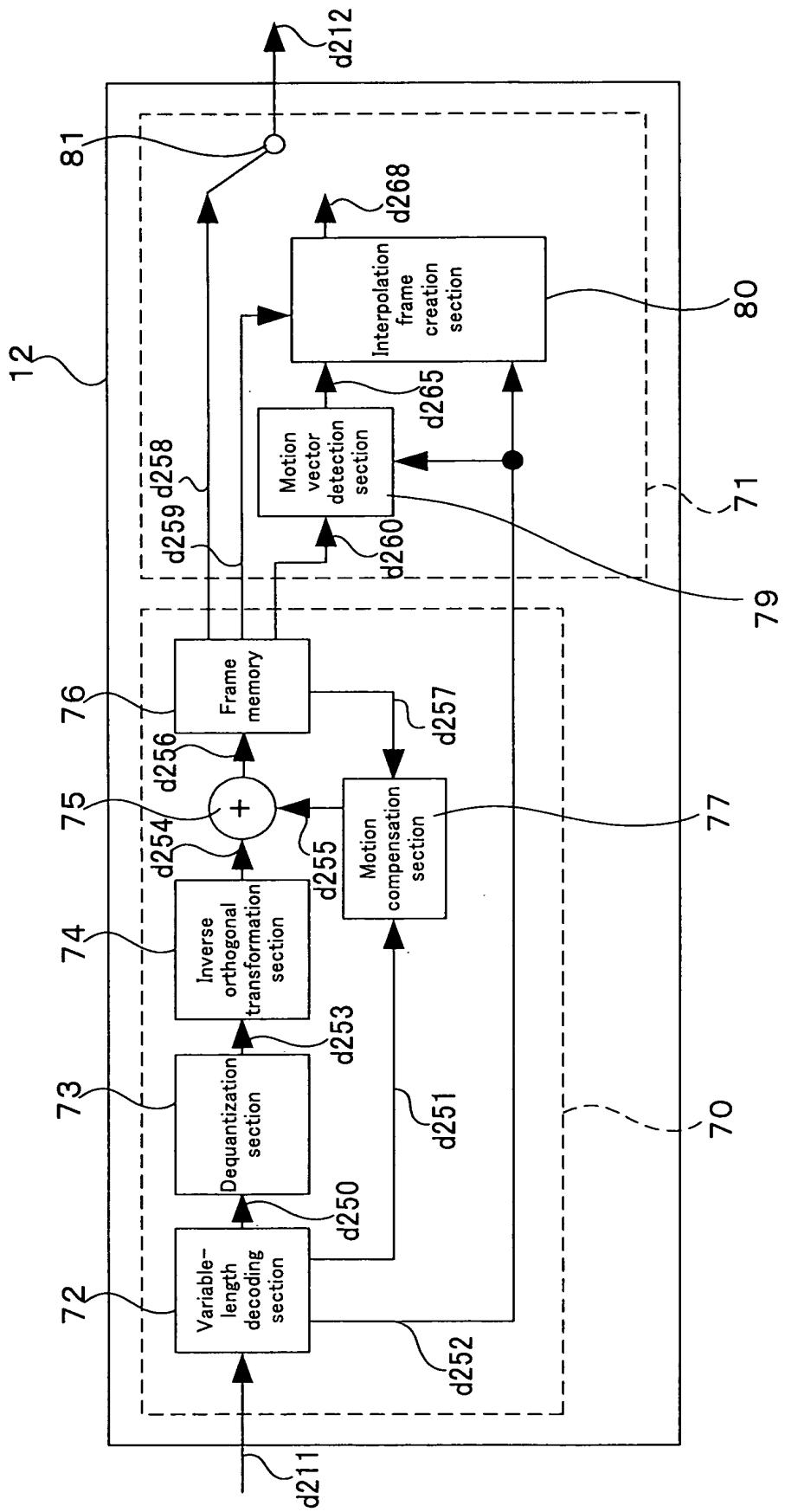
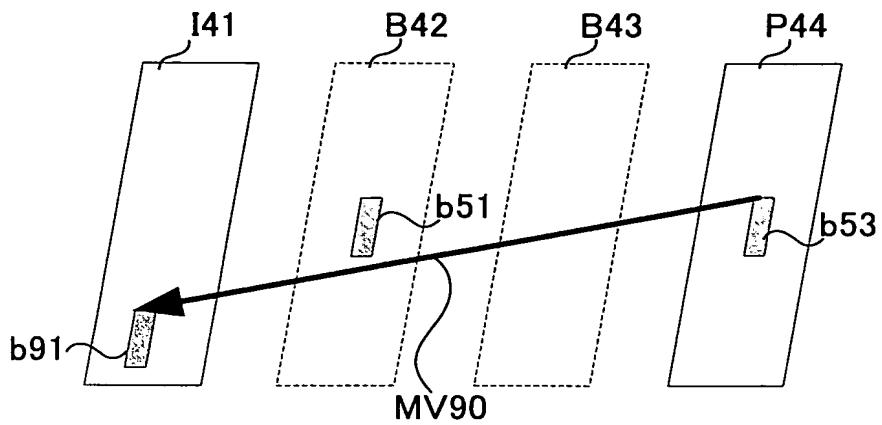
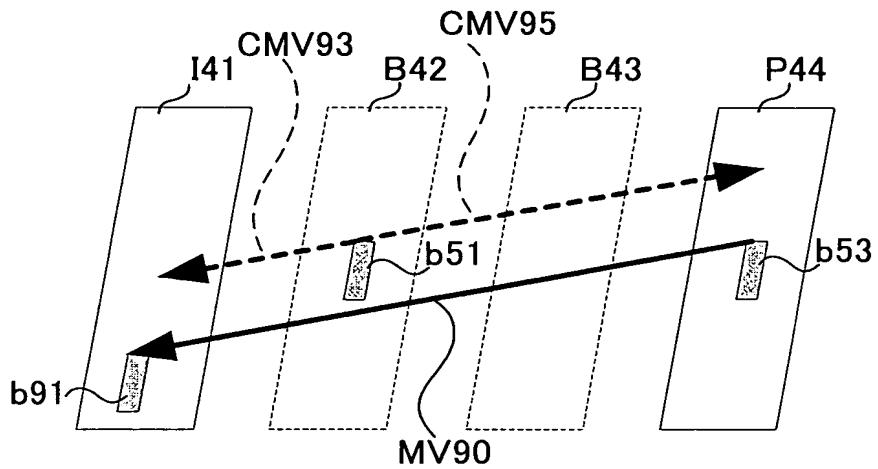


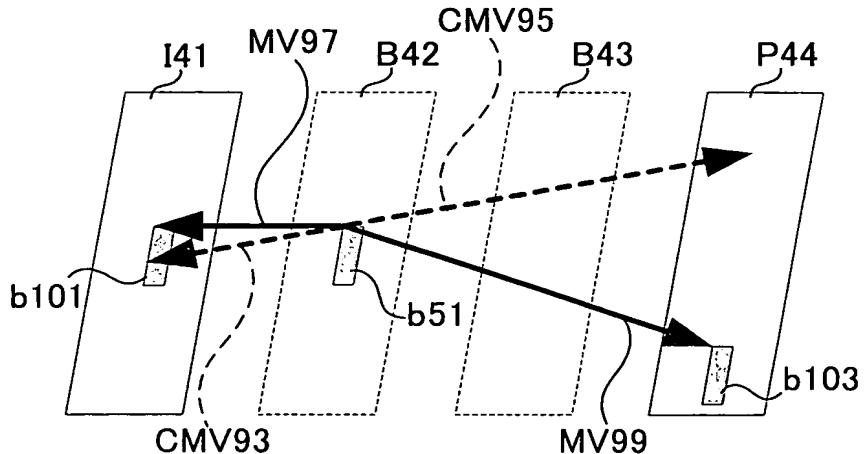
Fig. 6



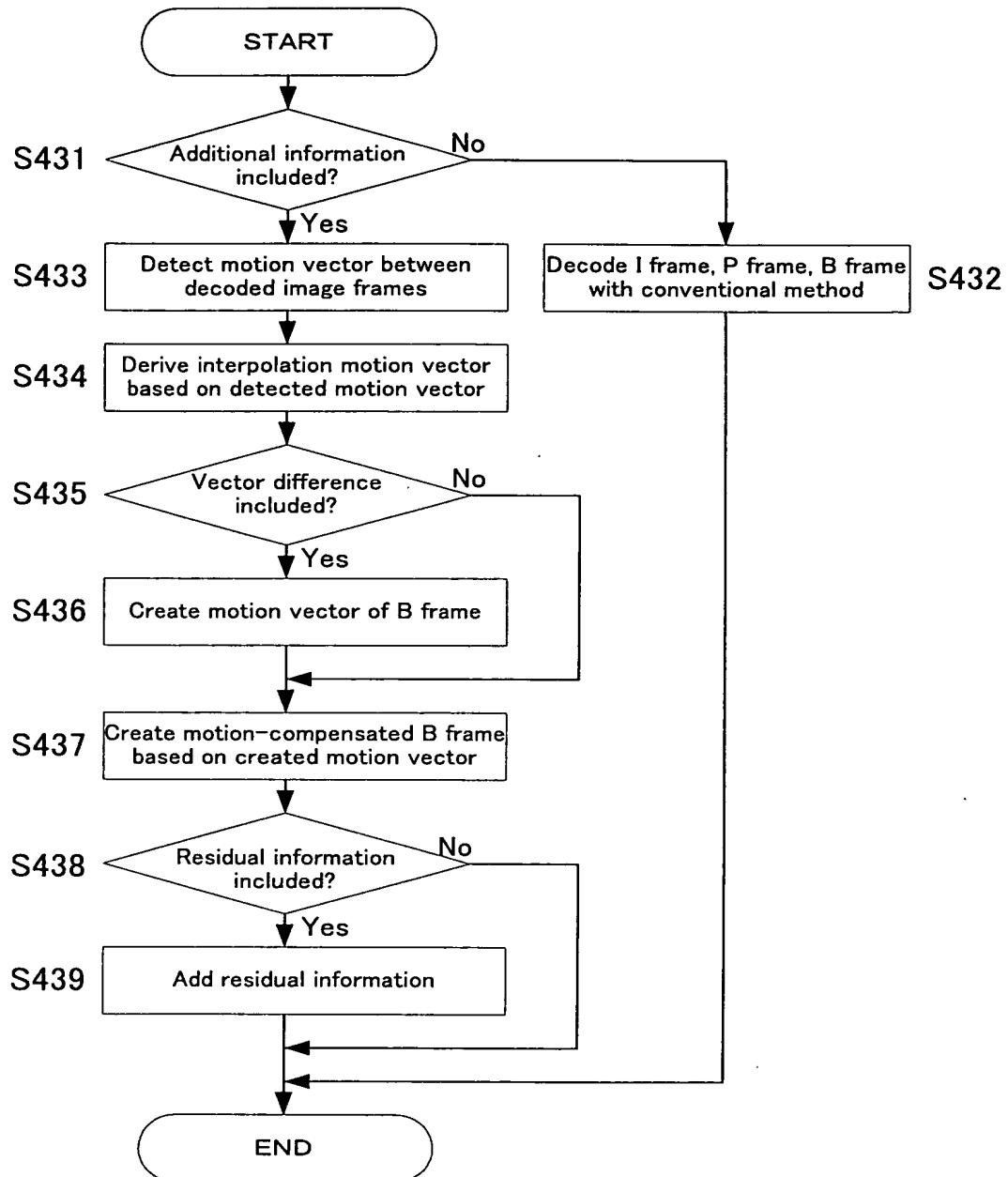
*Fig. 7A*



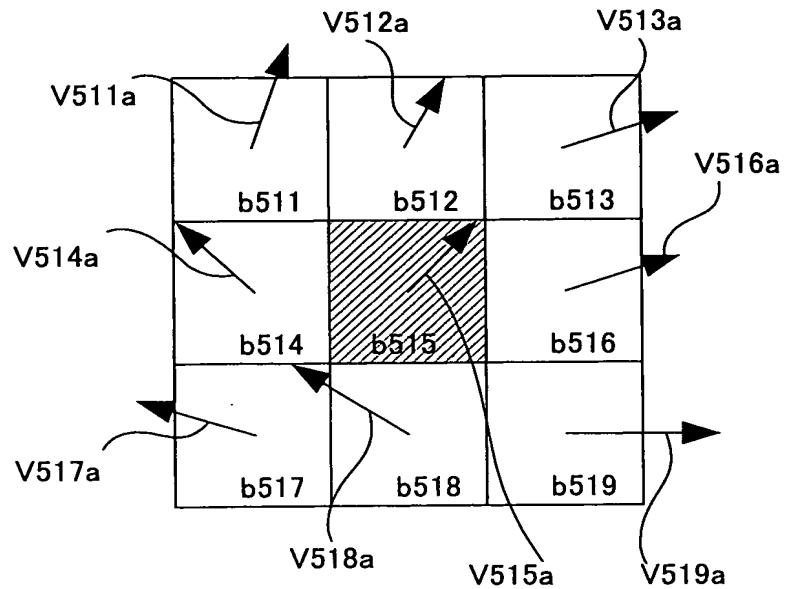
*Fig. 7B*



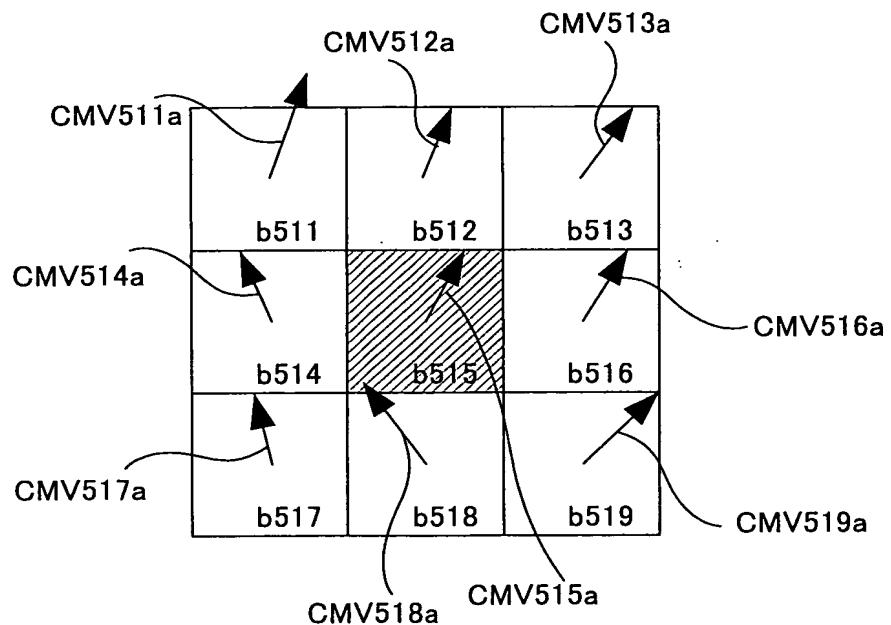
*Fig. 7C*



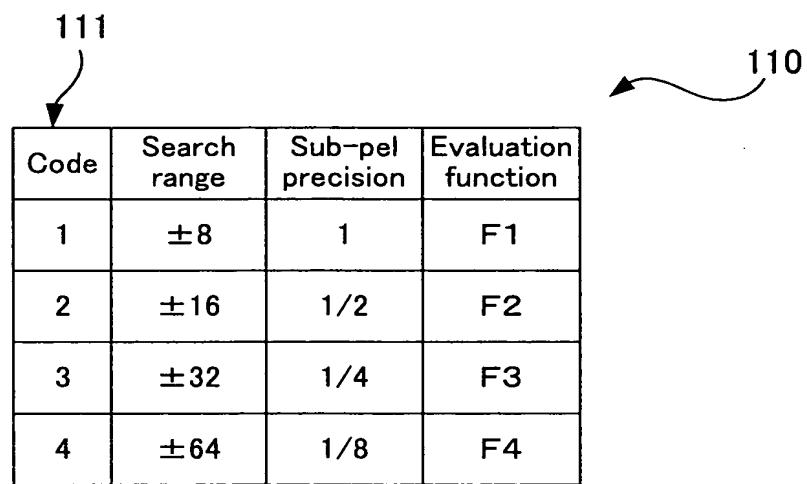
*Fig.8*



*Fig.9A*



*Fig.9B*



Code	Search range	Sub-pel precision	Evaluation function
1	$\pm 8$	1	F1
2	$\pm 16$	$1/2$	F2
3	$\pm 32$	$1/4$	F3
4	$\pm 64$	$1/8$	F4

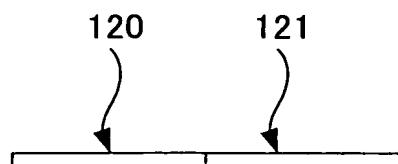
*Fig. 10*

116

115

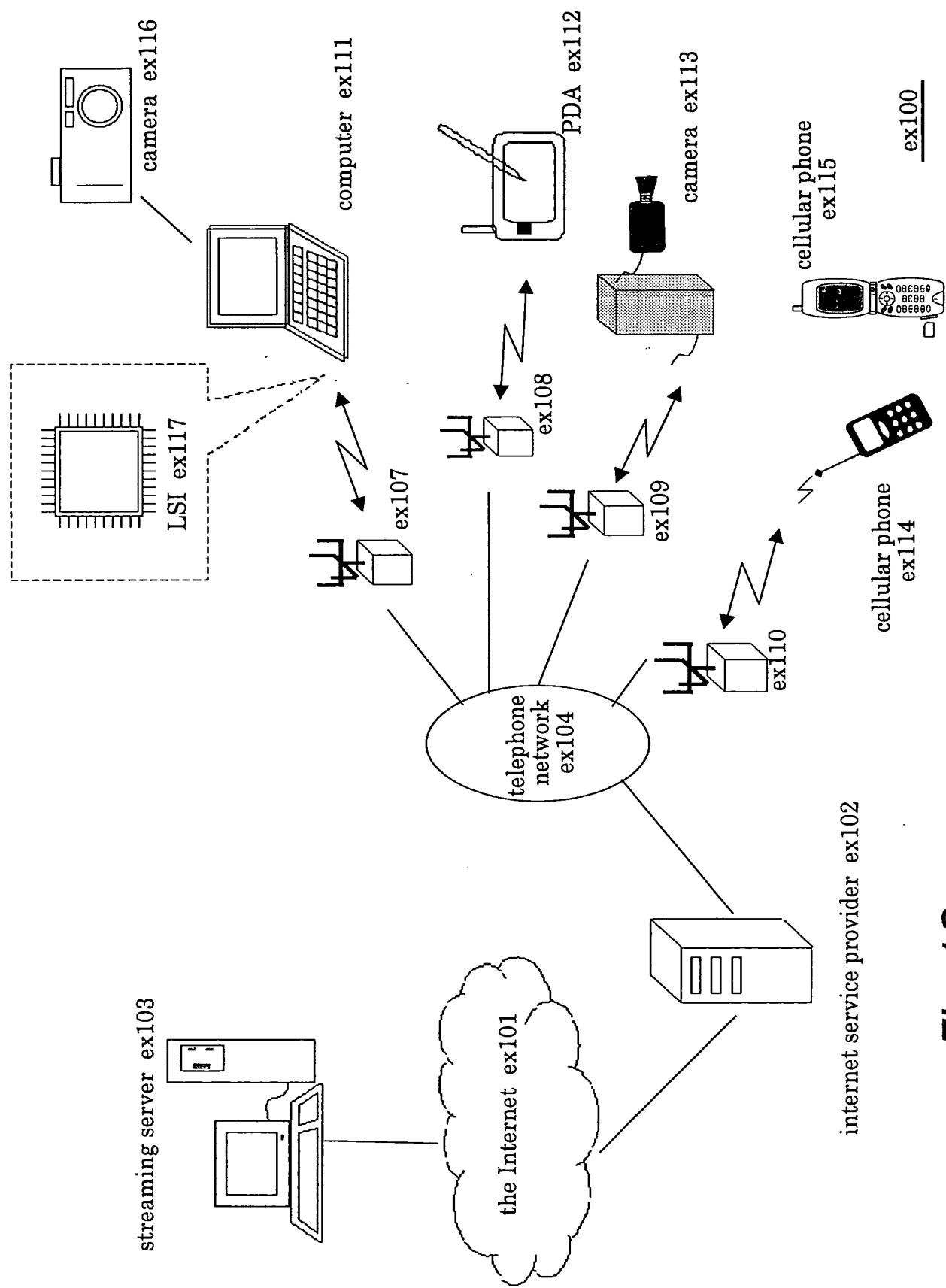
Profile	1	2	3	4
Interpolation method	○	○	○	○
Residual information	○	×	×	○
Vector difference	○	○	×	○
Motion detection method	Full search	3step	3step	OAT

*Fig.11*

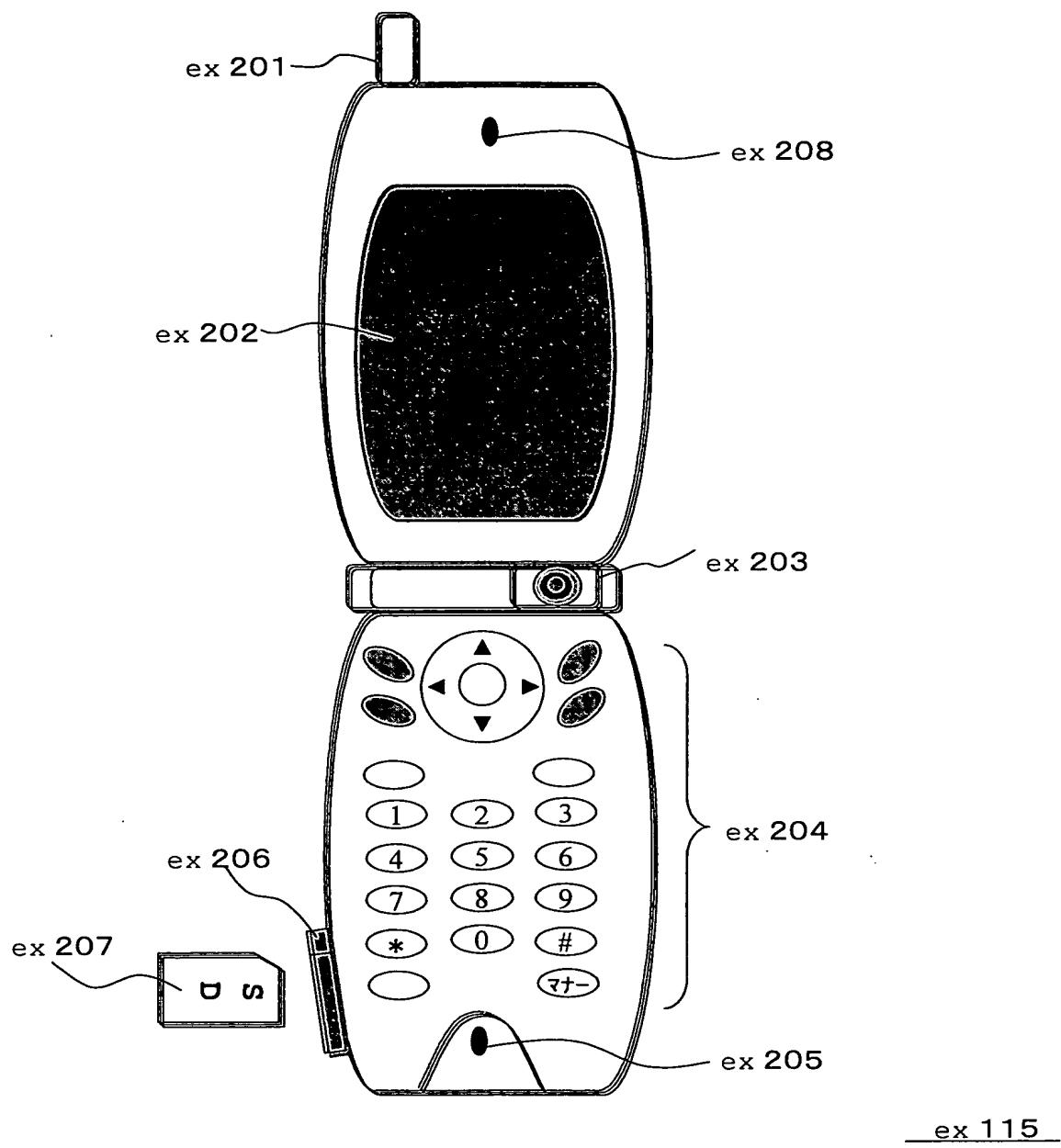


Input	Process
Full search	3step search
3step search	3step search
OAT search	OAT search
Hierarchical search	OAT search

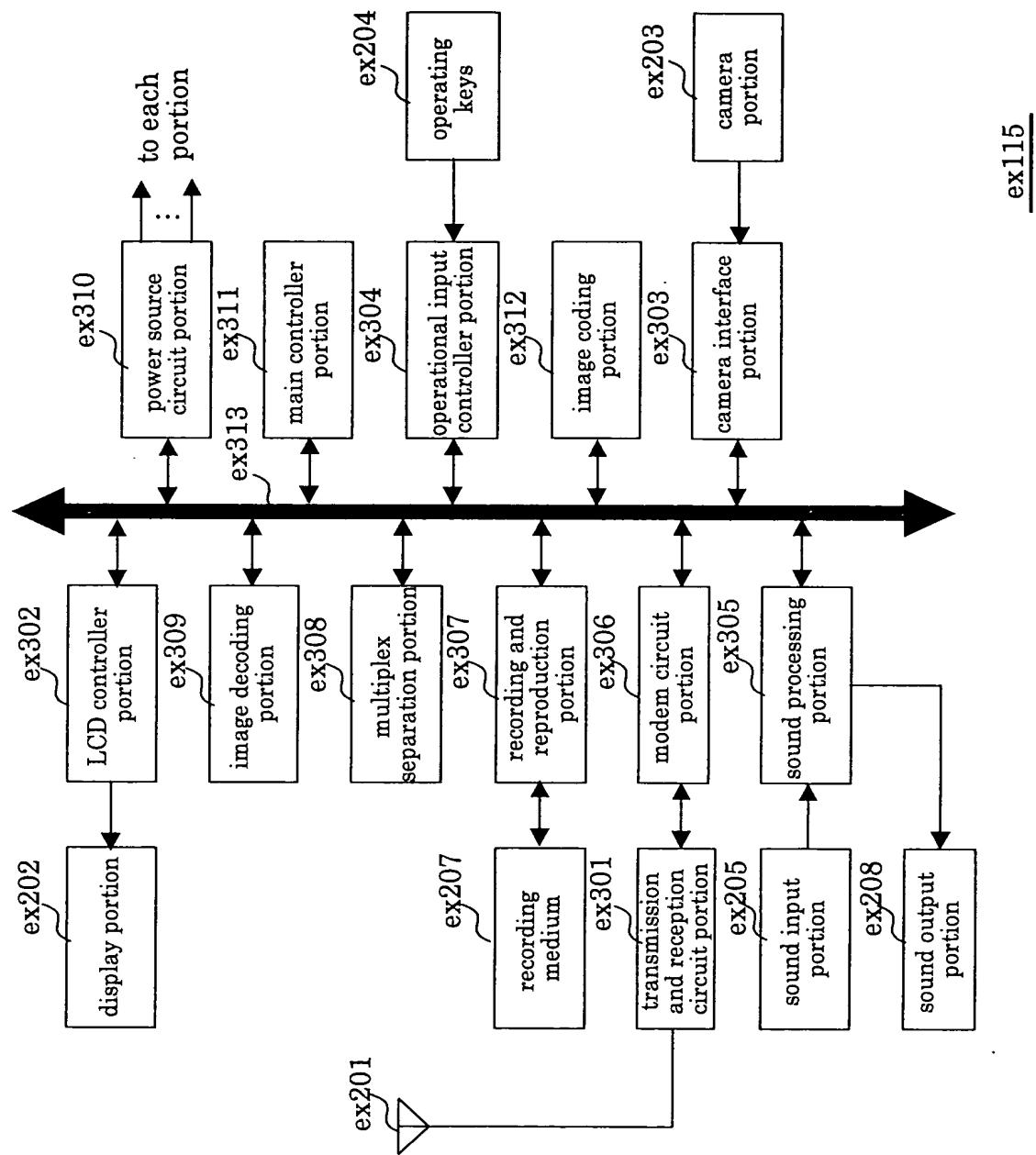
*Fig.12*



**Fig. 13**



*Fig. 14*



*Fig. 15*

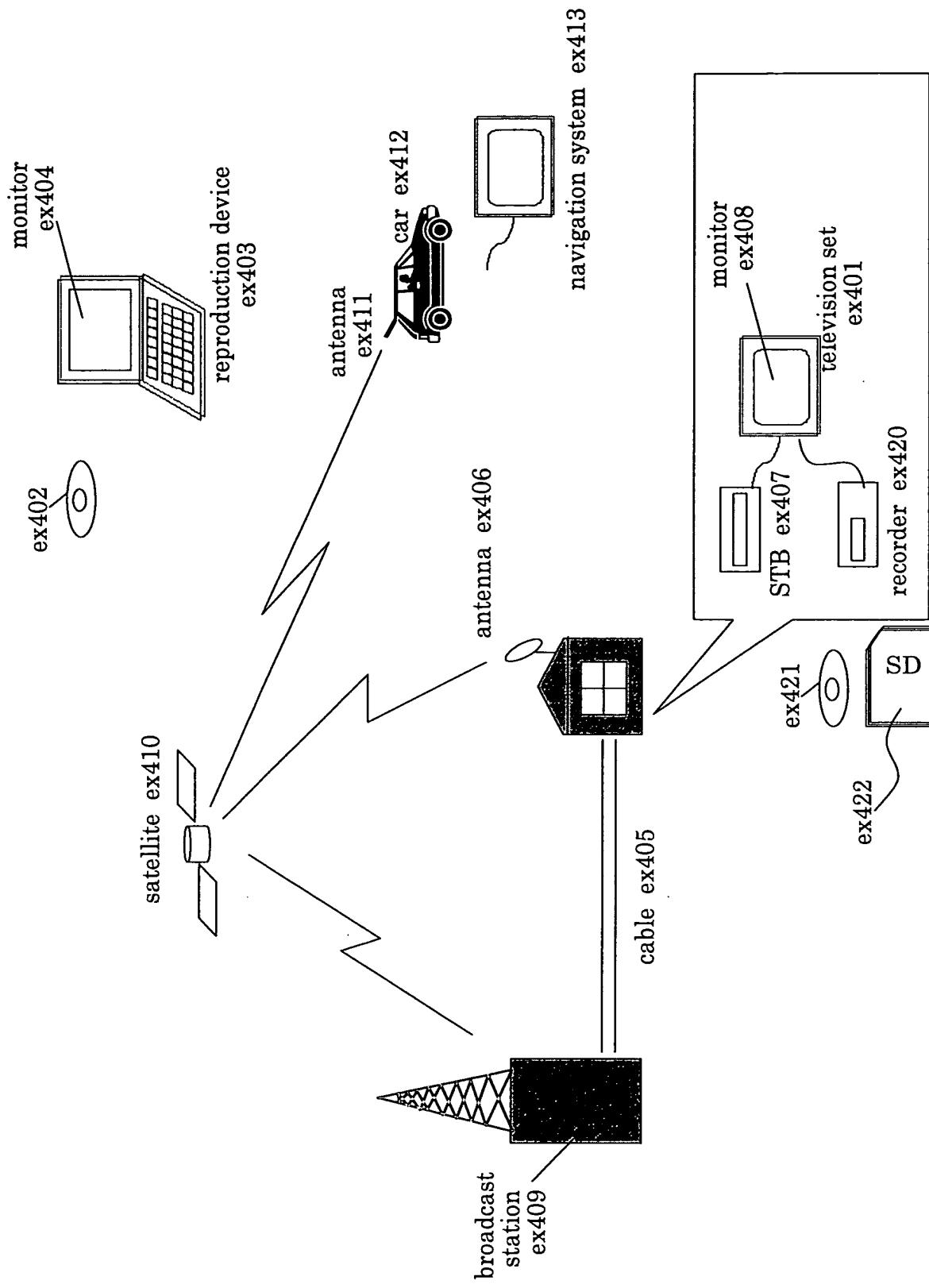


Fig. 16